

King County DNRP Water Quality Index

STATION **X630** WATER YEAR **2014**

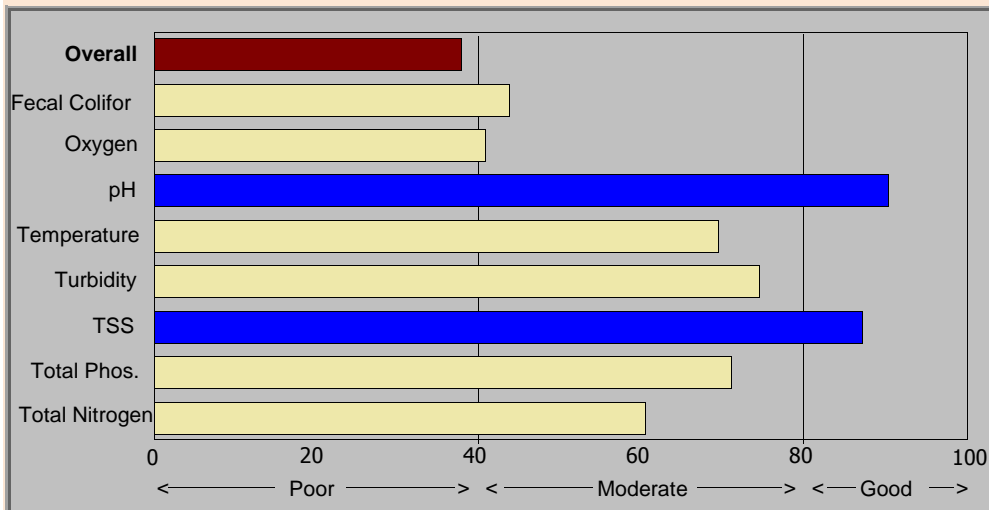
GAUGE # 67a Tibbetts Creek above Tributary 0170

Overall Index 38

King County monitors water quality in Tibbetts Creek at Station X630, which is located near the mouth, at the footbridge crossing over Tibbetts Creek in Sammamish State Park. Monitoring at this site began at station A630 near the State Park entrance in 1975. The monitoring of the creek moved to its current station in 1997 and continues there today; however, from 2008 to early 2013 no water quality samples were taken due to budget cutbacks. Tibbetts Creek is a relatively short creek (4.3 miles long) that originates on Squak Mountain at an elevation of 1,080 feet. The stream flows through a steep headwater area, then in midcourse opens up to a broad flood plain that empties into Lake Sammamish. Tibbetts Creek has been the focus of multiple restoration projects in the last ten years aimed at reducing flooding, alleviating sedimentation, and increasing fish habitat. The creek is on the 2012 Washington Department of Ecology's 303(d) list for violation of dissolved oxygen and water temperature standards.

Annual Water Quality Index Scores

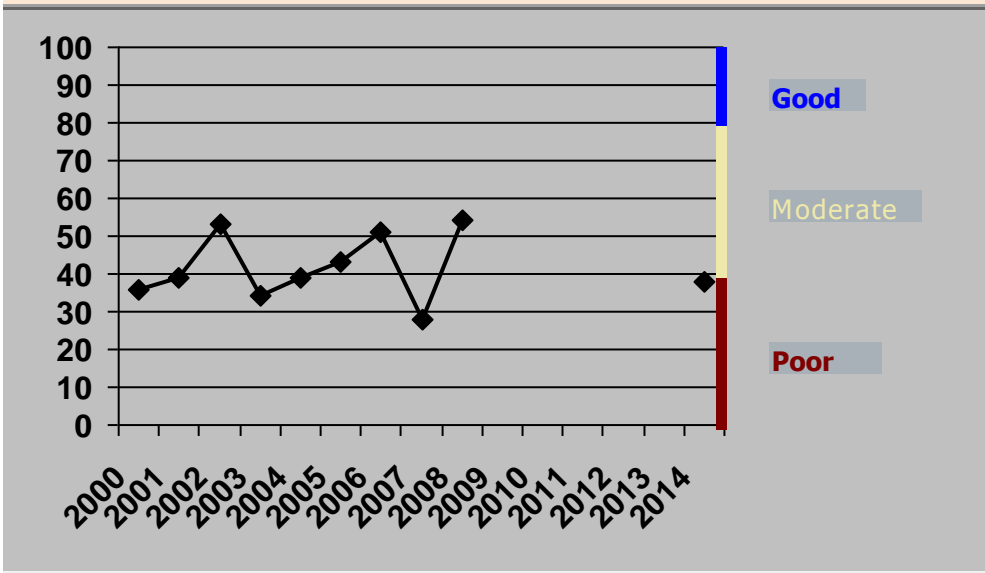
Water quality was POOR based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
78	93	96	95	96	57	93	90	79	71	1	55

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>

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